

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: LaPointe et al.
Serial No.: 10/043,356
Filed: January 11, 2002
For: **METHOD FOR SELECTING
MEDICAL AND BIOCHEMICAL
DIAGNOSTIC TESTS USING
NEURAL NETWORK-RELATED
APPLICATIONS**
Art Unit: 2122
Examiner: Unassigned

TRANSMITTAL LETTER

Commissioner for Patents
U.S. Patent and Trademark Office
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Arlington, VA 22202

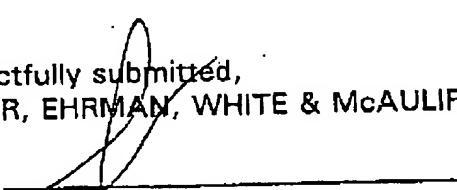
Sir:

Transmitted herewith are a Supplemental Information Disclosure Statement, Forms PTO-1449 (4 pages) and a cited reference for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a First Office Action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §§1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,
HELLER, EHRLMAN, WHITE & McAULIFFE LLP

By:


Stephanie L. Seidman
Registration No. 33,779

Attorney Docket No. 24727-0801F
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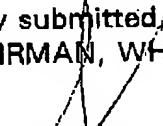
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant LaPointe et al.

Serial No.: 10/043,356

Filed: January 11, 2002

Confirmation No.: 7695

For: **METHOD FOR SELECTING
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NEURAL NETWORK RELATED
APPLICATIONS**

Art Unit: 2122

Examiner: Unassigned

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE
WITH 37 C.F.R. §§ 1.97-1.98**

Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir:

Because this Supplemental Information Disclosure Statement is filed prior to receipt of a First Office Action on the Merits for the above-captioned application, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§ 1.97-1.98. Form PTO-1449 (4 pages) and copies of the cited documents are provided herewith in connection with the above-captioned application.

U.S.S.N. 10/043,356

LaPointe et al.

INFORMATION DISCLOSURE STATEMENT

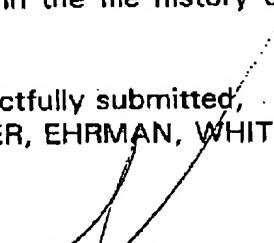
The documents listed on the Form PTO-1449 and supplied herewith are in the English language except items P, AJ, AK, AL, AM and AN, which are in the Japanese language. Item P (Japanese patent 6-119291) is provided with an English language equivalent (item AL). Items AJ, AL, AM and AN are provided with an English language equivalent (accompanying items AJ, AL, AM and AN, respectively). Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and make them of record in the file history of the above-captioned application.

Respectfully submitted,
HELLER, EHRMAN, WHITE & McAULIFFE LLP

By:

Stephanie L. Seidman, Reg. No. 33,779

Attorney Docket No. 24727-0801F

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| FORM PTO-1449 (Modified) | | | | | | | | ATTY. DOCKET NO. 24727-801F | SERIAL NO. 10/043,356 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT | | | | | | | | APPLICANT LaPointe et al. | |
| | | | | | | | | FILING DATE June 11, 2002 | |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB CLASS | FILING DATE |
|---------------------|---|-----------------|---|---|---|---|---|---|----------|-----------------|-------|--------------|----------------|
| | A | D | 4 | 3 | 4 | 1 | 5 | 3 | 11/21/00 | Anderson et al. | D24 | D216 | 04/20/98 |
| | B | 4 | 8 | 9 | 4 | 3 | 2 | 6 | 01/16/90 | Matsuura et al. | 435 | 7 | 04/09/86 |
| | C | 4 | 9 | 1 | 9 | 8 | 8 | 9 | 04/24/90 | Jones et al. | 422 | 40 | 09/16/88 |
| | D | 5 | 0 | 3 | 6 | 4 | 7 | 9 | 07/30/95 | Prednis et al. | 364 | 580 | 04/20/89 |
| | E | 5 | 0 | 9 | 1 | 1 | 7 | 0 | 02/25/92 | Navot | 424 | 9 | 04/06/89 |
| | F | 5 | 2 | 7 | 9 | 9 | 4 | 1 | 01/18/94 | Lessey | 435 | 7.21 | 06/12/92 |
| | G | 5 | 4 | 7 | 4 | 9 | 2 | 7 | 12/12/95 | Anderson et al. | 435 | 7.21 | 10/19/93 |
| | H | 5 | 4 | 8 | 0 | 7 | 7 | 6 | 01/02/96 | Duffien | 435 | 7.9 | 05/12/94 |
| | I | 5 | 6 | 2 | 3 | 9 | 3 | 9 | 04/29/97 | Garfield | 128 | 733 | 06/07/95 |
| | J | 5 | 6 | 5 | 0 | 3 | 9 | 4 | 07/22/97 | Terao et al. | 514 | 14 | 11/04/93 |
| | K | 6 | 2 | 6 | 7 | 7 | 2 | 2 | 07/31/01 | Anderson et al. | 600 | 300 | 02/03/98 |
| | L | 6 | 3 | 9 | 4 | 9 | 5 | 2 | 05/28/02 | Anderson et al. | 600 | 300 | 04/20/98 |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUB CLASS | Translation Yes No |
|--|---|-----------------|---|---|---|---|---|---|------------------|---------|-------|--------------|-----------------------|
| | M | 0 | 1 | 6 | 2 | 2 | 9 | 8 | 08/30/01 (A2) | PCT | | | |
| | N | 0 | 3 | 1 | 5 | 9 | 1 | 9 | 07/06/95 | EP | | | |
| | O | 0 | 6 | 4 | 2 | 6 | 6 | 7 | 01/10/01 | EP | | | |
| | P | 6 | 1 | 1 | 9 | 2 | 9 | 1 | 04/28/94 | JP | | | X |
| | Q | 9 | 2 | 1 | 0 | 5 | 8 | 5 | 06/25/92 | PCT | | | |
| | R | 9 | 3 | 0 | 9 | 4 | 3 | 2 | 05/13/93 | PCT | | | |
| | S | 9 | 3 | 2 | 4 | 8 | 3 | 6 | 12/09/93 | PCT | | | |
| | T | 9 | 3 | 2 | 4 | 8 | 3 | 8 | 12/09/93 | PCT | | | |

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| | | FILING DATE June 11, 2002 | GROUP 2122 |

FOREIGN PATENT DOCUMENTS

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|----|-----------------|---|---|---|---|---|---|----------|---------|-------|-----------|----------------------------|
| U | 9 | 4 | 1 | 7 | 4 | 0 | 5 | 08/04/94 | PCT | | | |
| V | 8 | 4 | 2 | 7 | 4 | 9 | 0 | 12/08/94 | PCT | | | |
| W | 9 | 5 | 1 | 2 | 4 | 0 | 6 | 05/11/95 | PCT | | | |
| X | 9 | 6 | 0 | 3 | 9 | 2 | 9 | 02/15/96 | PCT | | | |
| Y | 9 | 6 | 2 | 6 | 2 | 7 | 3 | 08/28/96 | PCT | | | |
| Z | 9 | 7 | 2 | 9 | 4 | 4 | 7 | 08/14/97 | PCT | | | |
| AA | 8 | 7 | 4 | 5 | 7 | 4 | 4 | 12/04/97 | PCT | | | |
| AB | 9 | 9 | 0 | 9 | 5 | 0 | 7 | 02/25/99 | PCT | | | |
| AC | 9 | 9 | 3 | 9 | 2 | 9 | 8 | 08/05/99 | PCT | | | |

X - English Translation being provided.

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AD | Ahner et al., "Fetal fibronectin as a selection criterion for induction of term labor", <i>Am. J. Obstet. Gynecol.</i> , <u>173</u> :1513-1517, 1995 |
| AE | Allen et al., "Help for high-risk pregnancies", <i>San Jose Mercury News</i> , February 7, 2003 edition |
| AF | Bailit et al., "Reducing the caesarean delivery risk in elective inductions of labour: a decision analysis", <i>Pediatric and Perinatal Epidemiology</i> , <u>16</u> :90-96, 2002 |
| AG | Blanch et al., "The presence of fetal fibronectin in the cervicovaginal secretions of women at term - Its role in the assessment of women before labor induction and in the investigation of the physiologic mechanisms of labor", <i>Am. J. Obstet. Gynecol.</i> , <u>174</u> :262-266, 1996 |
| AH | Breart et al., "A comparative study of the efficiency of hydroxyprogesterone caproate and of chlormadinone acetate in the prevention of premature labor", <i>Int. J. Gynaecol. Obstet.</i> , <u>16</u> :381-384, 1979 |
| AI | Castellani et al., "The fibronectin isoform containing the ED-B Oncofetal Domain: A Marker of Angiogenesis", <i>Int. J. Cancer</i> , <u>59</u> :612-618, 1994 |

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| | APPLICANT LaPointe et al. | |
| | FILING DATE June 11, 2002 | GROUP 2122 |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AJ | Citation 1: English translation and Japanese version of <u>Mitsubishi Electric Technical Report</u> , Vol. 68, No. 8; Special Edition on "Neural Network Application Technology", August 1994 |
| AK | Citation 2: English Translation and Japanese version of <u>Personal Computer Statistical Analysis Handbook II Multivariate Analysis Edition</u> , Tanaka et al., (Editors), November 1997 |
| AL | Citation 3: English Translation of Japanese Patent No. 6-119291 (Cited at document D), published April 28, 1994, Kurokawa et al., for "Water Supply Prediction Device" |
| AM | Citation 4: English Translation and Japanese version of <u>International Academic Society Article 1999-01322-004</u> , Bibliographic Item Printing, November 12, 2002 |
| AN | Citation 5: English Translation and Japanese version of <u>International Academic Society Article 1999-00312-010</u> , Bibliographic Item Printing, November 12, 2002 |
| AO | Creasy et al., "Prevention of Preterm Birth", <u>Seminars in Perinatology</u> , 5(3):395-302, 1981 |
| AP | Fuller, William E., "Management of Premature Labor", <u>Clinical Obstetrics and Gynecology</u> , 21(2):533-545, 1978 |
| AQ | Garite et al., "Fetal fibronectin: A new tool for the prediction of successful induction of labor", <u>Am. J. Obstet. Gynecol.</u> , 175:1516-1521, 1996 |
| AR | Goldstein et al., "A meta-analysis of randomized control trials of progestational agents in pregnancy", <u>British J. Obstet. Gynecol.</u> , 96:265-274, 1989 |
| AS | Grady, Denise, "Hormone Cuts Risk of Premature Birth", <u>The New York Times</u> , February 7, 2003 Edition |
| AT | Gyetvai et al., "Tocolytics for preterm labor: a systematic review", <u>Obstet. Gynecol.</u> , 94(5 Pt 2):869-877, 1999 |
| AU | Halin et al., "Enhancement of the antitumor activity of interleukin-12 by targeted delivery to neovasculature", <u>Nature Biotechnology</u> , 20:264-269, 2002 |
| AV | Hartikainen-Sorri et al., "Inefficacy of 17 α -Hydroxyprogesterone Caproate in the Prevention of Prematurity in Twin Pregnancy", <u>Obstet. Gynecol.</u> , 56(6):692-695, 1980 |
| AW | Hauth et al., "The effect of a 17 α -hydroxyprogesterone caproate on pregnancy outcome in an active-duty military population", <u>Am. J. Obstet. Gynecol.</u> , 146:187-190, 1983 |

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| | |
|----|---|
| AX | Imai et al., "Significance of fetal fibronectin and cytokine measurement in the cervicovaginal secretions of women at term in predicting term labor and post-term pregnancy", <i>European J. Obstet. Gynecol. Reprod. Biol.</i> , <u>97</u> :53-58, 2001 |
| AY | Johnson et al., "High-Risk Prematurity--Progestin Treatment and Steroid Studies", <i>Obstet. Gynecol.</i> , <u>54</u> (4):412-418, 1979 |
| AZ | Johnson et al., "Efficacy of 17 α -Hydroxyprogesterone caproate in the prevention of premature labor", <i>N. Eng. J. Med.</i> , <u>293</u> (14):675-680, 1975 |
| BA | Kaczmarek et al., "Distribution of Oncofetal Fibronectin Isoforms in Normal Hyperplastic and Neoplastic Human Breast Tissues", <i>Int. J. Cancer</i> , <u>58</u> :11-16, 1994 |
| BB | Kahn et al., "Preliminary Investigation of a Bayesian Network for Mammographic Diagnosis of Breast Cancer", <i>Proceedings of the 19th Annual Symposium on Computer Applications in Medical Care</i> , pp. 208-212 (1995) |
| BC | Kauppila et al., "Suppression of threatened premature labor by administration of cortisol and 17 α -hydroxyprogesterone caproate: A comparison with ritodrine", <i>Am. J. Obstet. Gynecol.</i> , <u>138</u> :404-408, 1980 |
| BD | Keirse et al., "Progestogen administration in pregnancy may prevent preterm delivery", <i>Br. J. Obstet. Gynecol.</i> , <u>97</u> :149-154, 1990 |
| BE | Kiss et al., "Fetal fibronectin as a predictor of term labor: A literature review", <i>Acta Obstet. Gynecol. Scand.</i> , <u>79</u> :3-7, 2000 |
| BF | Lockwood et al., "Fetal Fibronectin in Cervical and Vaginal Secretions as a Predictor of Preterm Delivery", <i>New England J. of Medicine</i> , <u>325</u> (10):569-674, 1991 |
| BG | Marty et al., "Cytotoxic targeting of F9 teratocarcinoma tumours with anti-ED-B fibronectin scFv antibody modified liposomes", <i>British J. Cancer</i> , <u>87</u> :106-112, 2002 |
| BH | Reijnders et al., "Endocrine effects of 17 alpha-hydroxyprogesterone caproate during early pregnancy: a double-blind clinical trial", <i>Br. J. Obst. Gynaecol.</i> , <u>95</u> :462-468, 1988 |
| BI | Rozenberg et al., "Comparison of the Bishop score, ultrasonographically measured cervical length, and fetal fibronectin assay in predicting time until delivery and type of delivery at term", <i>Am. J. Obstet. Gynecol.</i> , <u>182</u> :108-113, 2002 |
| BJ | Yemini et al., "Prevention of premature labor by 17 α -hydroxyprogesterone caproate", <i>Am. J. Obstet. Gynecol.</i> , <u>151</u> :574-577, 1985 |

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Client No.: 24727-801F

Enclosures: 1) Executed Declaration For Patent Application;
2) Transmittal Letter; 3) This return postcard

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Serial No. 10/043,356 Filed: January 11, 2002
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NETWORK-RELATED APPLICATIONS

SLS:kcc

